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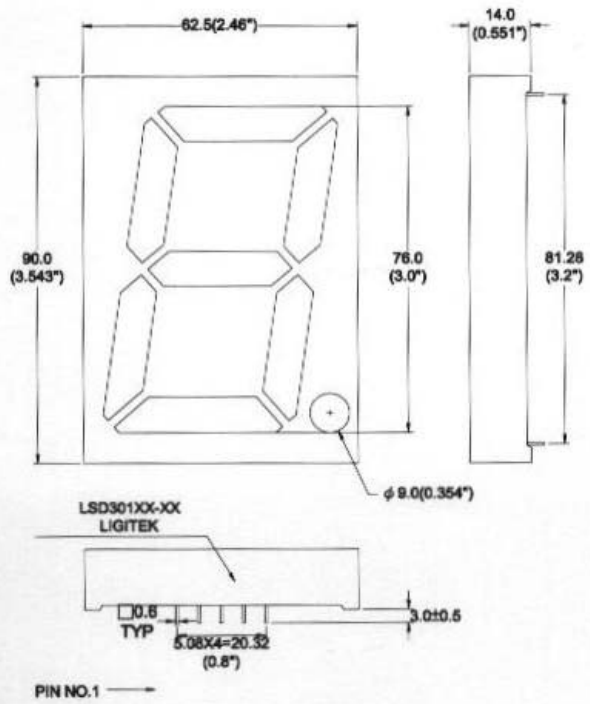
Jameco Part Number 202518

LIGITEK

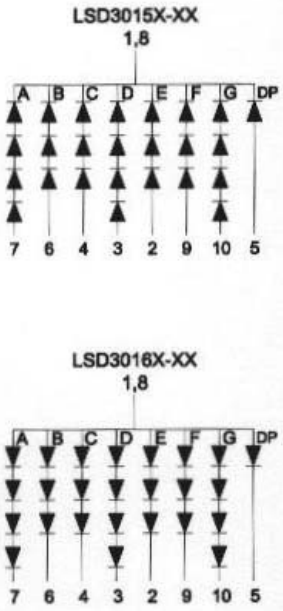
SINGLE DIGIT LED DISPLAY (3.0 Inch) **LSD3015/6X-XX** SERIES Page 1/2

PACKAGE DIMENSION



NOTE:1.All Dimension Are In Millimeters And (Inch)
Tolerance Is ±0.25(0.01") unless Otherwise Noted
2.Specifications are subject to change without notice.

INTERNAL CIRCUIT DIAGRAM



• Connection To Electrical Schematic

Electrical connection

PIN NO.	LSD3015X-XX	PIN NO.	LSD3016X-XX
1	Common Cathode	1	Common Anode
2	Anode E	2	Cathode E
3	Anode D	3	Cathode D
4	Anode C	4	Cathode C
5	Anode DP	5	Cathode DP
6	Anode B	6	Cathode B
7	Anode A	7	Cathode A
8	Common Cathode	8	Common Anode
9	Anode F	9	Cathode F
10	Anode G	10	Cathode G

文件編號: QW0905-S3015/6X-XX 版本: A 生效日期: 14 - Dec - 2000

• Part Selection And Application Information(Ratings At 25℃ Ambient)

PART NO	CHIP		common cathode or anode	λp (nm)	△λ (nm)	Electrial					IV-M
						Vf(v)			Iv(mcd)		
	material	emitted				Min	Typ	Max	Min	Typ	
LSD30154-XX	GaAsP/GaP	Orange	Common Cathode	635	45	6.8	8.0	11.2	2.5	4.5	2:1
LSD30164-XX	GaAsP/GaP	Orange	Common Anode	635	45	6.8	8.0	11.2	2.5	4.5	2:1

• Absoult Maximum Rating (Ta=25℃)

Parameter	Red	Green	Yellow	Orange	Unit	Remark
Forward Current Per Chip				E		
				30	mA	
Peak Current Per Chip (Duty 1/10,0.1mS Pulse Width)				120	mA	
Power Dissipation Per Chip				100	mW	
Derating Linear From 25℃ Per Chip				0.45	mA/℃	
Reverse Current Per Any Chip				10	μA	
Operating Temperature	-25℃ TO +85℃					
Storage Temperature	-25℃ TO +85℃					

Solder Temperature 1-16 Inch Below Seating Plane For 3 Seconds At 260℃

• Test Condition For Each Parameter

Parameter	Symbol	Unit	Test Condition
Forward Voltage Per Chip	Vf	volt	If=20mA
Luminous Intensity Per Chip	Iv	mcd	If=10mA
Peak Emission Wavelength	λp	nm	If=20mA
Spectral Line Half-Width	△λ	nm	If=20mA
Reverse Current Any Chip	Ir	μA	Vr=5V
Luminous Intensity Matching Ratio	IV-M		